

SOKKIA

**FIELD
BOOK**

No. 8152-60

Property of _____

Address _____

Telephone _____

This Book is manufactured of a High Grade
50% Rag Ledger Paper having a Water Resist-
ant Surface, and is sewed with Nylon Water-
proof Thread.

815260



INDEX

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



06-1 Parking lot

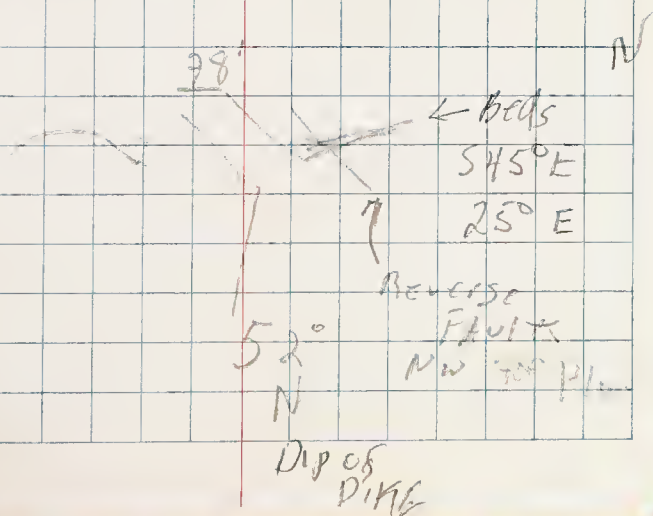
6/21/06

0.1 mile SW side
road S. of
the tunnel rd.

New Haven Arkose

ANTICLINE!

interbedded with
arkose & MAROON ARK
SOILS w/ caliche morphs



01

6

126''

162

252

256

78,12

6/21/06

06-2

ROAD CUT TO NEW
QUINPIAC U. SPORTS COMPLEX
ON ROCKY TOP.

2.2 mi SW of INTERSECTION
of SHERMAN & WHITNEY
AVENUE
to INTERSECTION of
ACCESS ROAD to RT.

NEW HAVEN Arkose

Interbeds of 2-3 m
thick sheets of
lenticular x-bedded
arkose w

finer grained red
vfg ss to FIST
some w soils dev.
(caliche, rhizomorphs)

maroon ss

often micaceous

lx X bedded

fine beds

caliche beds and

some beds

nice rhizomorphs

soil disruption

rare silicified pl. stems

Beautiful rootling

traces on b.p.s

at upper end of

cut

incipient beds

tops of some

maroon beds w

intraclasts w

caliche dips

lime stone E/AST

2m

Gryx
55

Maroon
on

Strike S 46° W
D3 E

6 cycles of
ACP & cutting

Hydrofracture
at south end
of cut.



July 17, 2000

METASEQUOIA IN FRONT
OF YDM, New Haven
CT

Cbh = 2.2 m dbh = ^{70.3 cm}
~~70.3~~

HT 11.71 m - 38 cm = 1.33

dist 23.2 m
1.31
24.9 m.

Cbh = 2.2 m dbh = 70.3 cm ^{inter}
_{comp}

Int h' = 1.33

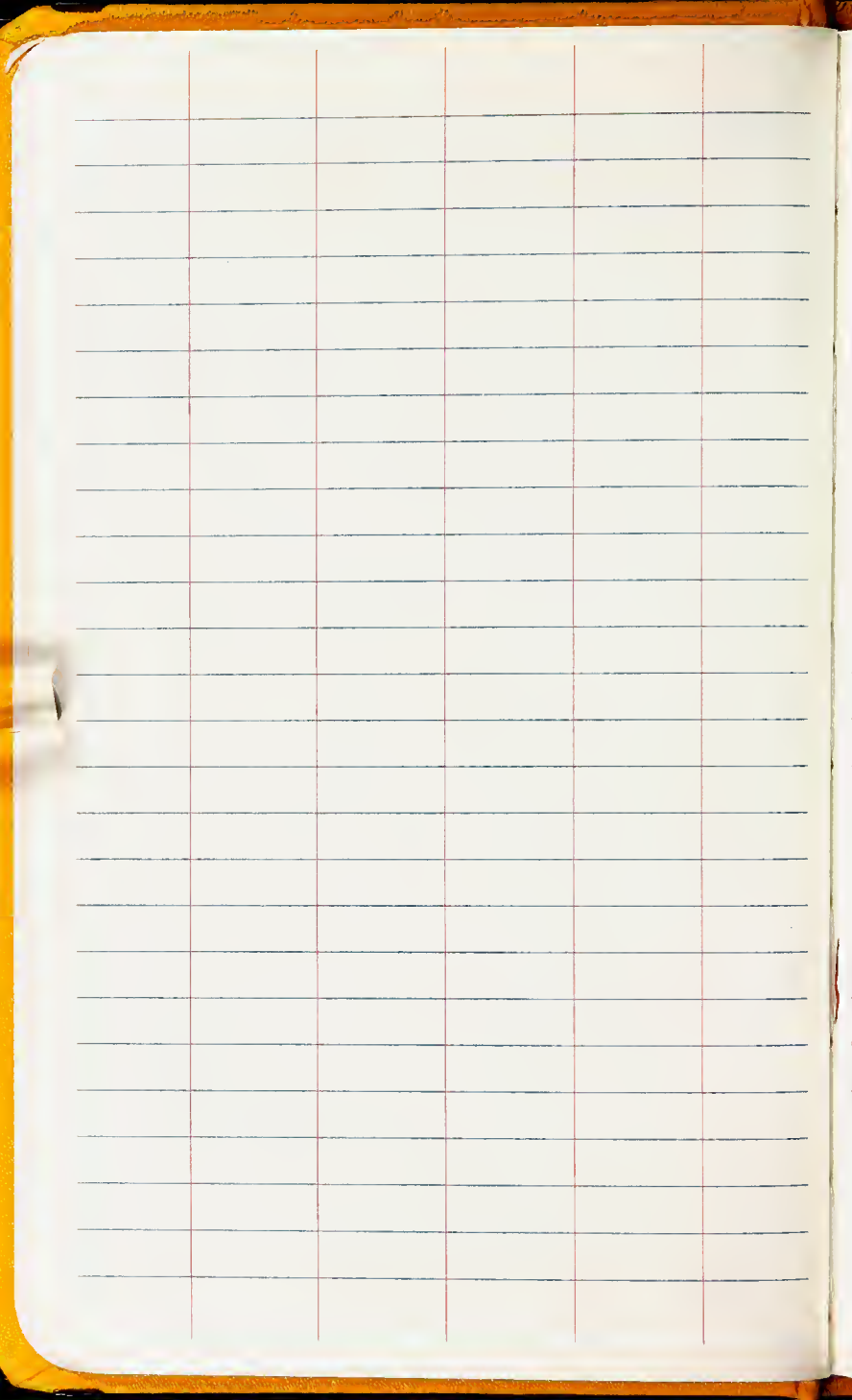
Dist Tree / Int = 23.2 m
1.33

24.53

ht tree = 24.53 m

dbh = 28"

Height Int. = 70.7'



8/24/06

WEST TODD

ANTICLINE

COMPASS @ 0°

① ON S NOSE of ANTICLINE
ST. 95° S 16°

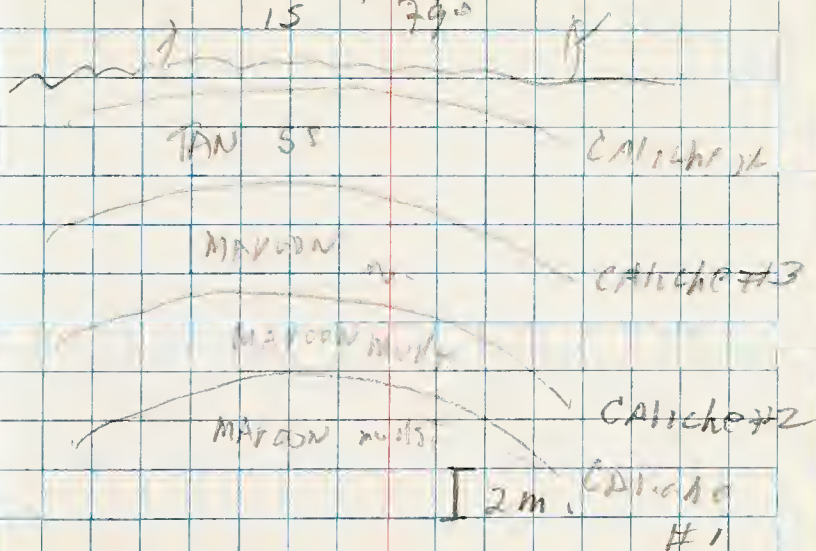
ST/STS, mudst

Ar 10/14 SS.

○ Caliche nod.

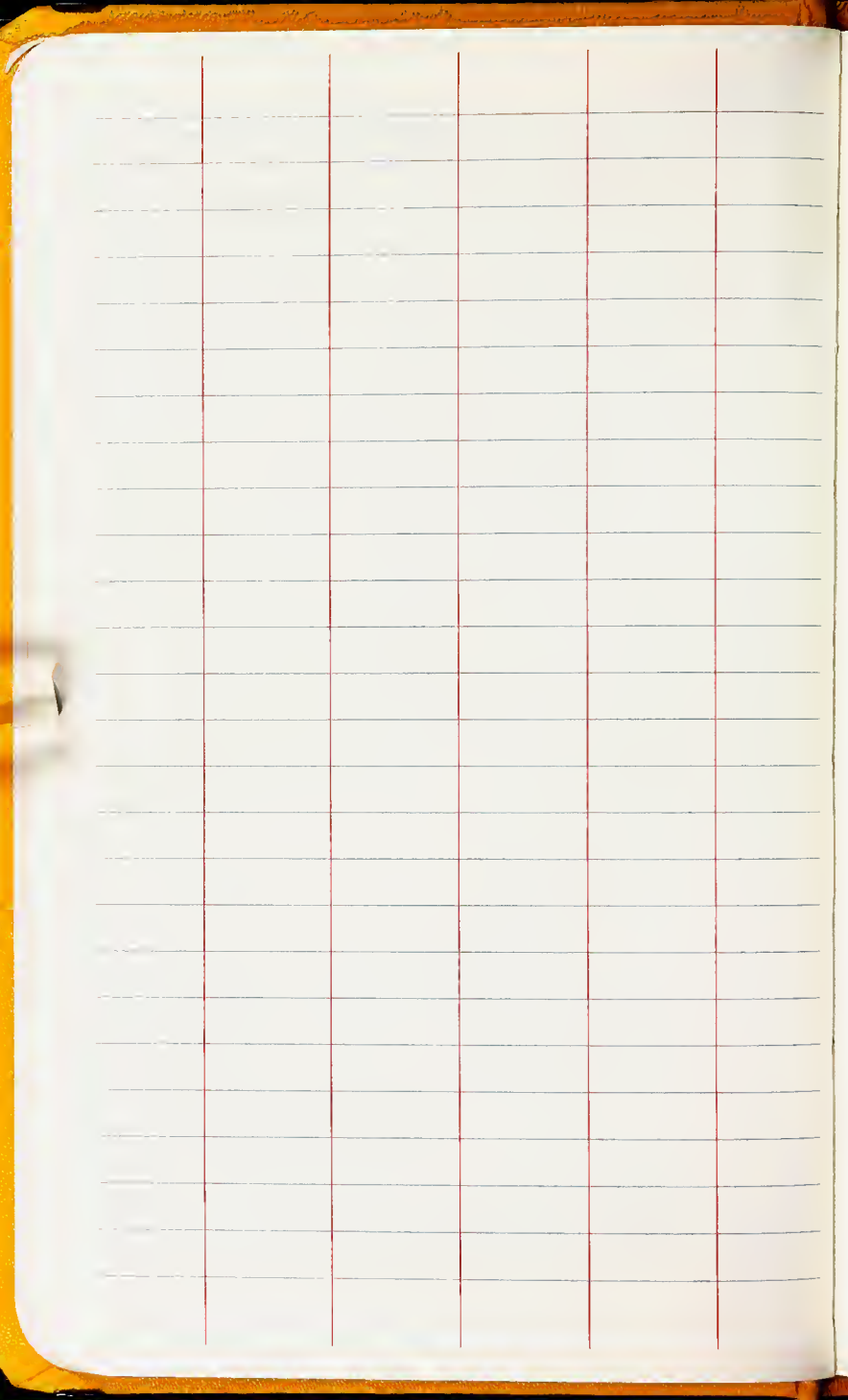
② AXIS of Syncline

15 79°



STRIKE & DIP W 11m.

③ 355° x 15° N P.D.



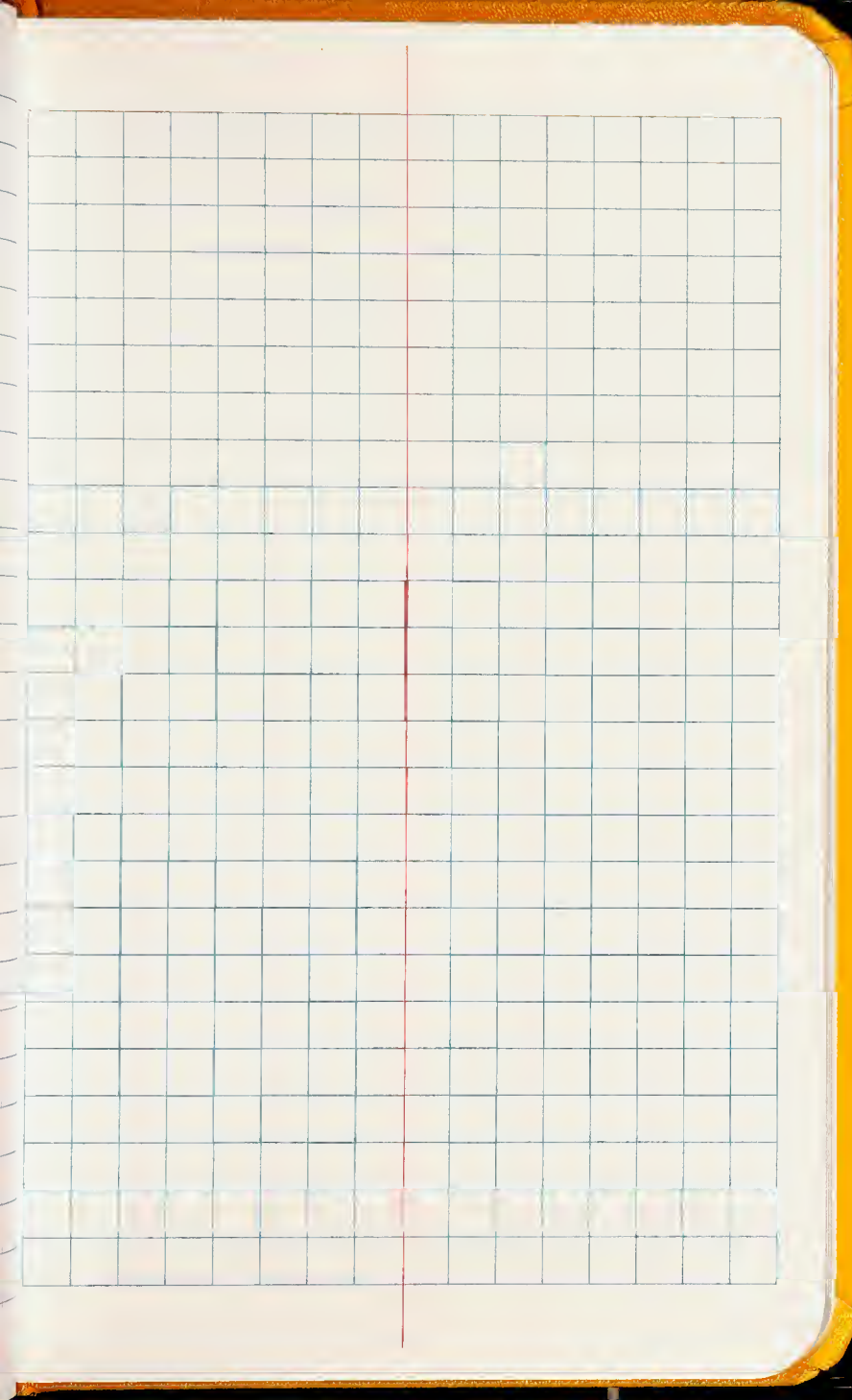
8/24/06

Sherman Ave Site

- Upper end.

- MARLOW MUDST





[illegible]

CUR

1-510

154

1-11-TR

1. PLAN

CUT

4-11

14M

17-101

4-11

U-9H

I-RO

II-11

INDEX OF CURVE AND REDUCTION TABLES

Table I—SLOPE STAKE

Table II—STADIA CORRECTION AND HORIZONTAL DISTANCES

Table III—TRIGONOMETRIC FORMULAE

Table IV—NATURAL TRIGONOMETRICAL FUNCTIONS

CURVE FORMULAE

Table V—TANGENTS AND EXTERNALS TO A 1° CURVE

USEFUL RELATIONS

Table VI—INCHES TO DECIMALS OF A FOOT

Table VII—MINUTES IN DECIMALS OF A DEGREE

Table VIII—MIDDLE ORDINATES OF RAILS

Table IX—SHORT RADIUS CURVES

Table X—RODS IN FEET, 10THS AND 100THS OF FEET

Table XI—LINKS IN FEET, 10THS AND 100THS OF FEET

Rain-resistant fine quality ledger paper, bound in high-visibility durable yellow imitation leather. Printed in waterproof ink.

Stock No. 8152-00 Transit Field Book. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Stock No. 8152-05 Economy Field Book. Spiral bound, Paperback. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Stock No. 8152-10 Economy Field Book. Same as above except saddle stitched (stapled).

Left page blue horizontal lines; red vertical lines.

Right page 4 horizontal and 8 vertical blue lines; red vertical center line.

Stock No. 8152-20 Mining ^{*****}Transit Book. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Left page blue horizontal lines; red vertical center line.

Right page 8 x 8 blue lines; red vertical lines.

Stock No. 8152-30 Engineers ^{*****}Field Book. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Left page blue horizontal lines; red vertical lines.

Right page 10 x 10 blue lines; red vertical center line. Inch lines heavy.

Stock No. 8152-50 Level ^{*****}Book Size $4 \times 6\frac{1}{2}$ inches.

Stock No. 8152-55 Level Book Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Both pages blue horizontal lines; red vertical lines. 6 vertical columns.

Stock No. 8152-60 Field ^{*****}Book. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Left page blue horizontal lines; red vertical lines.

Right page 4 x 4 blue lines; red vertical center line.

Stock No. 8152-75 Cross ^{*****}Section Book. Size $6\frac{1}{2} \times 8\frac{1}{2}$ inches.

Both pages 10 x 10 blue lines; inch lines slightly heavier.

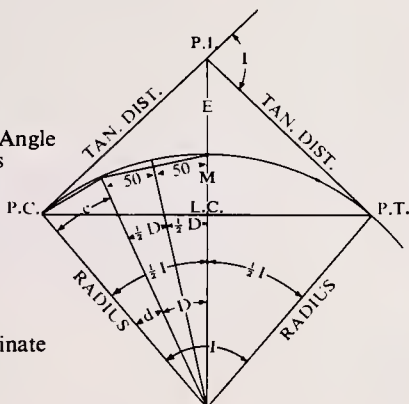
Stock No. 8152-80 Duplicating ^{*****}Transit Book. Size $4\frac{1}{2} \times 7\frac{1}{4}$ inches.

Left page blue horizontal lines; red vertical lines.

Right page 4 horizontal and 8 vertical blue lines; red vertical center line. Pages numbered and perforated. Carbon paper.

CURVE FORMULAE

- D = Degree of Curve
 1° = 1-Degree of Curve
 2° = 2-Degree of Curve
 P.C. = Point of Curve
 P.T. = Point of Tangent
 P.I. = Point of Intersection
 I = Intersection of Angle, Angle between Two Tangents
 L = Length of Curve, from P.C. to P.T.
 T = Tangent Distance
 E = External Distance
 R = Radius
 L.C. = Length of Chord
 M = Length of Middle Ordinate
 c = Length of Sub-Chord
 d = Angle of Sub-Chord



$$R = \frac{L.C.}{2 \sin \frac{1}{2} I} \quad T = R \tan \frac{1}{2} I = \frac{L.C.}{2 \cos \frac{1}{2} I}$$

$$\frac{L.C.}{2} = R \sin \frac{I}{2}, \quad D 1^\circ = R = 5730, \quad D 2^\circ = \frac{5730}{2}, \quad D = \frac{5730}{R}$$

$$M = R (1 - \cos \frac{1}{2} I), \quad = R - R \cos \frac{I}{2}$$

$$\frac{E + R}{R} = \sec \frac{I}{2}, \quad \frac{R - M}{R} = \cos \frac{I}{2}$$

$$c = 2 R \sin \frac{1}{2} d, \quad d = \frac{c}{2 R}$$

$$L.C. = 2 R \sin \frac{1}{2} I, \quad E = R (\sec \frac{1}{2} I - 1), \quad = R \sec \frac{I}{2} - R$$

Minutes in Decimals of a Degree

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

Inches in Decimals of a Foot

$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

SOKKIA

MADE IN U.S.A.